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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Kannan V. Ramanathan et al.	)
Serial No.:	08/939,844	) Group Art Unit: Not Yet Accorded
Filed:	September 29, 1997	) Examiner: Not Yet Accorded
Title:	Cadmium-Free Junction Fabrication Process for CuInSe <sub>2</sub> Thin Film Solar Cells	) Atty Dkt No. : NREL 97-10 )

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97 AND 1.98

Honorable Assistant Commissioner for Patents Washington, DC 20231

Dear Sir:

It is respectfully requested that the citations listed below be considered by the U.S. Patent & Trademark Office and be made of official record in the above-identified application.

In the opinion of the undersigned, the below-listed citations represent the closest art known to the undersigned during the preparation of the above-identified application. These citations may be material to the examination of the subject application and are therefore submitted in compliance with a duty of disclosure defined in 37 CFR §§ 1.56 and 1.97.

## **CITED PATENTS**

U.S. Patent 5,474,939 Pollock et al. December 1995
U.S. Patent 4,612,411 Wieting et al. September 1986

U.S. Patent 4,751,149 Vijayakamar et al. June 1988

U.S. Patent 4,327,119

Lis et al.

April 1982

U.S. Patent 4,242,374

Sansregret

December 1980

## NON-PATENT LITERATURE DOCUMENTS

Aranovich, Optical and Electrical Properties of ZnO Films Prepared by Spray Pyrolysis for Solar Cell Applications, J. Vac. Sci. Technol., Vol. 16, No. 4, pp. 994-1007, July 1979.

Tomar, A ZnO/p-CuInSe<sub>2</sub> Thin Film Solar Cell Prepared Entirely by Spray Pyrolysis, Thin Solid films, 90, pp. 419-423, 1982.

In regard to the referenced application which is submitted herewith, Applicants submit the enclosed form PTO-1449 with references that may be relevant to the patentability of the above identified application.

This disclosure statement under 37 CFR §§ 1.56 and 1.97 is not to be construed to the effect that no other material information as defined by 37 CFR § 1.56(c) exist, or that these citations constitute prior art under 37 CFR § 1.56(c) exists, or that the citations constitute prior art under 35 U.S.C. § 102 and 103.

Respectfully submitted,

en Richardson, Reg. No. 27,378

Attorney for Applicants

Dated: December 17, 1997.

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